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LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 3	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 4	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 5	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 6	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 7	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 8	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 9	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 10	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 11	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 12	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 13	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 14	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 15	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 16	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS 17	JUL 28	CA/CAplus patent coverage enhanced
NEWS 18	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 19	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 20	JUL 28	STN Viewer performance improved
NEWS 21	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 22	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 23	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 24	AUG 15	CAplus currency for Korean patents enhanced
NEWS 25	AUG 25	CA/CAplus, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS 26	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 27	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 28	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances

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 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:56:18 ON 25 SEP 2008

=> file reg
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:56:38 ON 25 SEP 2008
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STRUCTURE FILE UPDATES:   24 SEP 2008  HIGHEST RN 1052402-74-0
DICTIONARY FILE UPDATES:  24 SEP 2008  HIGHEST RN 1052402-74-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e 2-propyloctanamide/cn
E1            1     2-PROPYLOCTADECANOIC ACID/CN
E2            1     2-PROPYLOCTANAL/CN
E3            0 --> 2-PROPYLOCTANAMIDE/CN
E4            1     2-PROPYLOCTANOIC ACID/CN
E5            1     2-PROPYLOLCYCLOPENTANONE/CN
E6            1     2-PROPYLOXIRANE/CN
E7            1     2-PROPYLOXY-2,2-DI(4-FLUOROPHENYL)ACETIC ACID/CN
E8            1     2-PROPYLOXY-2-PHENYLACETOPHENONE/CN
E9            1     2-PROPYLPENT-4-ENAL/CN
E10           1     2-PROPYLPENTAETHOXYBIS(DIMETHYLSILOXY)PENTAPROPOXYPROPANE/CN
```

```
E11          1     2-PROPYLPENTAMIDE/CN
E12          1     2-PROPYLPENTANAL/CN

=> e e1
E1           1     2-PROPYLNONAMIDE/CN
E2           1     2-PROPYLOCTADECANAMIDE/CN
E3           1 --> 2-PROPYLOCTADECANOIC ACID/CN
E4           1     2-PROPYLOCTANAL/CN
E5           1     2-PROPYLOCTANOIC ACID/CN
E6           1     2-PROPYLOLCYCLOPENTANONE/CN
E7           1     2-PROPYLOXIRANE/CN
E8           1     2-PROPYLOXY-2,2-DI(4-FLUOROPHENYL)ACETIC ACID/CN
E9           1     2-PROPYLOXY-2-PHENYLACETOPHENONE/CN
E10          1     2-PROPYLPENT-4-ENAL/CN
E11          1     2-PROPYLPENTAETHOXYBIS(DIMETHYLSILOXY)PENTAPROPOXYPROPANE/CN
E12          1     2-PROPYLPENTAMIDE/CN

=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   1.38       1.59

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:58:26 ON 25 SEP 2008

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 12:00:57 ON 25 SEP 2008
FILE 'REGISTRY' ENTERED AT 12:00:57 ON 25 SEP 2008
COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   1.38       1.59

=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   1.84       2.05

FILE 'REGISTRY' ENTERED AT 12:01:23 ON 25 SEP 2008
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STRUCTURE FILE UPDATES:   24 SEP 2008  HIGHEST RN 1052402-74-0
DICTIONARY FILE UPDATES:  24 SEP 2008  HIGHEST RN 1052402-74-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.
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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e 2-propyloctanol/cn
E1            1     2-PROPYLOCTANAL/CN
E2            1     2-PROPYLOCTANOIC ACID/CN
E3            0 --> 2-PROPYLOCTANOL/CN
E4            1     2-PROPYLOLCYCLOPENTANONE/CN
E5            1     2-PROPYLOXIRANE/CN
E6            1     2-PROPYLOXY-2,2-DI(4-FLUOROPHENYL)ACETIC ACID/CN
E7            1     2-PROPYLOXY-2-PHENYLACETOPHENONE/CN
E8            1     2-PROPYLPENT-4-ENAL/CN
E9            1     2-PROPYLPENTAETHOXYBIS(DIMETHYLSILOXY)PENTAPROPOXYPROPANE/CN
E10           1     2-PROPYLPENTAMIDE/CN
E11           1     2-PROPYLPENTANAL/CN
E12           1     2-PROPYLPENTANENITRILE/CN

=> e 2-propylocta-1-nol/cn
E1            1     2-PROPYLNITROBENZENE/CN
E2            1     2-PROPYLNONAMIDE/CN
E3            0 --> 2-PROPYLOCTA-1-NOL/CN
E4            1     2-PROPYLOCTADECANAMIDE/CN
E5            1     2-PROPYLOCTADECANOIC ACID/CN
E6            1     2-PROPYLOCTANAL/CN
E7            1     2-PROPYLOCTANOIC ACID/CN
E8            1     2-PROPYLOLCYCLOPENTANONE/CN
E9            1     2-PROPYLOXIRANE/CN
E10           1     2-PROPYLOXY-2,2-DI(4-FLUOROPHENYL)ACETIC ACID/CN
E11           1     2-PROPYLOXY-2-PHENYLACETOPHENONE/CN
E12           1     2-PROPYLPENT-4-ENAL/CN

=> e 2-propylocta-1-nol/lofogoff holdcn
'HOLDCN' IS NOT VALID HERE
For an explanation of the EXPAND command, enter "HELP EXPAND" at an
arrow prompt (=>).

=> logoff hold
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY    SESSION
FULL ESTIMATED COST                             1.38       3.43

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:03:15 ON 25 SEP 2008

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ
```

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 28	CA/CAplus patent coverage enhanced
NEWS 3	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 4	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5	JUL 28	STN Viewer performance improved
NEWS 6	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 8	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 9	AUG 15	CAplus currency for Korean patents enhanced
NEWS 10	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 11	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 12	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 13	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 14	SEP 29	IFICLS enhanced with new super search field
NEWS 15	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS 16	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 17	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS 18	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS 19	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS 20	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS 21	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS 22	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 23	NOV 26	MARPAT enhanced with FSORT command
NEWS 24	NOV 26	MEDLINE year-end processing temporarily halts availability of new fully-indexed citations
NEWS 25	NOV 26	CHEMSAFE now available on STN Easy
NEWS 26	NOV 26	Two new SET commands increase convenience of STN searching

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 05:32:20 ON 01 DEC 2008

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'REGISTRY' ENTERED AT 05:32:38 ON 01 DEC 2008
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STRUCTURE FILE UPDATES: 28 NOV 2008 HIGHEST RN 1076692-21-1
DICTIONARY FILE UPDATES: 28 NOV 2008 HIGHEST RN 1076692-21-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

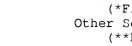
http://www.cas.org/support/stngen/stndoc/properties.html

=> e 3-hydroxydecane/cn
E1   1   3-HYDROXYDAMSIN/CN
E2   1   3-HYDROXYDECANAL/CN
E3   1 --> 3-HYDROXYDECANE/CN
E4   1   3-HYDROXYDECANEDIOIC ACID/CN
E5   1   3-HYDROXYDECANOIC ACID/CN
E6   1   3-HYDROXYDECANOIC ACID ETHYL ESTER/CN
E7   1   3-HYDROXYDECANOIC ACID METHYL ESTER/CN
E8   1   3-HYDROXYDECANOIC ACID POLYMER/CN
E9   1   3-HYDROXYDECANOIC ACID-3-HYDROXYOCTANOIC ACID COPOLYMER/CN
E10   1   3-HYDROXYDECANOIC ACID-3-HYDROXYOCTANOIC ACID-3-HYDROXYVALER
                    IC ACID COPOLYMER/CN
E11   1   3-HYDROXYDECANOYL-(ACYL CARRIER PROTEIN) DEHYDRASE (MESORHIZ
                    OBIUM LOTI STRAIN PRTFF303099 GENE MLL5569)/CN
E12   1   3-HYDROXYDECANOYL-(ACYL CARRIER PROTEIN) DEHYDRATASE (CYTOPH
                    AGA HUTCHINSONII STRAIN ATCC 33406 GENE FABA)/CN

=> e3
L1   1 3-HYDROXYDECANE/CN

=> d l1

```
L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   1565-81-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   3-Decanol  (CA INDEX NAME)
OTHER NAMES:
CN   (±)-3-Decanol
CN   1-Ethyl-1-octanol
CN   3-Hydroxydecane
CN   dl-Decan-3-ol
DR   74683-67-3
MF   C10 H22 O
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS,
       CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, IFICDB,
       IFIPAT, IFIUDB, SPECINFO, TOXCENTER, USPATFULL, USPATOLD
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

             145 REFERENCES IN FILE CA (1907 TO DATE)
               2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             145 REFERENCES IN FILE CAPLUS (1907 TO DATE)
               4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> e  1,2-epoxyhexane/cn
E1           1     1,2-EPOXYHEXADECYLIDENE DILAURATE/CN
E2           1     1,2-EPOXYHEXAFLUOROPROPANE/CN
E3           1 --> 1,2-EPOXYHEXANE/CN
E4           1     1,2-EPOXYHEXANE-ISOPRENE BLOCK COPOLYMER/CN
E5           1     1,2-EPOXYHEXANE-METHYL METHACRYLATE BLOCK COPOLYMER/CN
E6           1     1,2-EPOXYHEXANE-PROPYLENE OXIDE BLOCK COPOLYMER ETHER WITH G
                   LYCEROL (3:1)/CN
E7           1     1,2-EPOXYINDAN/CN
E8           1     1,2-EPOXYINDANE/CN
E9           1     1,2-EPOXYISOBUTANE/CN
E10          1     1,2-EPOXYLIMONENE/CN
E11          1     1,2-EPOXYLINALOOL/CN
E12          1     1,2-EPOXYMENTHYL ACETATE/CN

=> e3
L2           1 "1,2-EPOXYHEXANE"/CN

=> d l2

L2   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   1436-34-6  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Oxirane, 2-butyl-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Hexane, 1,2-epoxy- (7CI, 8CI)
CN   Oxirane, butyl- (9CI)
OTHER NAMES:
```

CN (±)-1,2-Epoxyhexane
CN (±)-Butyloxirane
CN 1,2-Epoxyhexane
CN 1,2-Hexene oxide
CN 1-Hexene epoxide
CN 1-Hexene oxide
CN 2-Butyloxirane
CN Butyloxirane
CN NSC 24268
DR 122922-40-1, 56158-38-4
MF C6 H12 O
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL, USPATOLD
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

873 REFERENCES IN FILE CA (1907 TO DATE)
28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
879 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.68	15.89

FILE 'CAPLUS' ENTERED AT 05:34:10 ON 01 DEC 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 1 Dec 2008 VOL 149 ISS 23
FILE LAST UPDATED: 30 Nov 2008 (20081130/ED)

Caplus now includes complete International Patent Classification (IPC)

reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

```
=> l1
L3          145 L1

=> l2
L4          879 L2

=> l3 and l4
L5            0 L3 AND L4

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.96      16.85

FILE 'REGISTRY' ENTERED AT 05:35:38 ON 01 DEC 2008
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STRUCTURE FILE UPDATES:   28 NOV 2008  HIGHEST RN 1076692-21-1
DICTIONARY FILE UPDATES:  28 NOV 2008  HIGHEST RN 1076692-21-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e  1,2-epoxyoctane/cn
E1            1     1,2-EPOXYOCTADECANE POLYMER, SRU/CN
E2            1     1,2-EPOXYOCTADECANE-ETHYLENE OXIDE COPOLYMER/CN
E3            1 --> 1,2-EPOXYOCTANE/CN
E4            1     1,2-EPOXYOCTANE POLYMER/CN
E5            1     1,2-EPOXYOCTANE POLYMER, SRU/CN
E6            1     1,2-EPOXYOCTANE-GLYCEROL-PHTHALIC ANHYDRIDE POLYMER/CN
E7            1     1,2-EPOXYOCTANE-GLYCIDOL-PHTHALIC ANHYDRIDE POLYMER/CN
E8            1     1,2-EPOXYOCTANE-ORTHOPHOSPHORIC ACID COPOLYMER/CN
E9            1     1,2-EPOXYOCTANE-PENTAERYTHRITOL-PHTHALIC ANHYDRIDE POLYMER/C
                    N
E10           1     1,2-EPOXYOCTANE-PROPYLENE OXIDE BLOCK COPOLYMER ETHER WITH G
                    LYCEROL (3:1)/CN
E11           1     1,2-EPOXYOCTENE/CN
E12           1     1,2-EPOXYPENTADECANE/CN
```

```
=> e3
L6            1 "1,2-EPOXYOCTANE"/CN

=> d l6

L6   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   2984-50-1  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Oxirane, 2-hexyl-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Octane, 1,2-epoxy- (6CI, 7CI, 8CI)
CN   Oxirane, hexyl- (9CI)
OTHER NAMES:
CN   (±)-1,2-Epoxyoctane
CN   α-Epoxyoctane
CN   1,2-Epoxy-n-octane
CN   1,2-Epoxyoctane
CN   1,2-Epoxyoctene
CN   1,2-Octylene oxide
CN   1-Octene epoxide
CN   1-Octene oxide
CN   2-Hexyloxirane
CN   Hexyloxirane
CN   n-Hexyloxirane
CN   n-Octene-1,2-oxide
CN   NSC 24246
CN   Octane 1,2-oxide
CN   Octene-1,2-oxide
DR   77549-73-6
MF   C8 H16 O
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD,
       CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB,
       EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*, SPECINFO,
       SYNTHLINE, TOXCENTER, USPAT2, USPATFULL, USPATOLD
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```


```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

           1349 REFERENCES IN FILE CA (1907 TO DATE)
             46 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
           1353 REFERENCES IN FILE CAPLUS (1907 TO DATE)
             18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                7.61      24.46

FILE 'CAPLUS' ENTERED AT 05:36:18 ON 01 DEC 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
```

FILE COVERS 1907 - 1 Dec 2008 VOL 149 ISS 23
FILE LAST UPDATED: 30 Nov 2008 (20081130/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

```
=> l6
L7        1353 L6

=> d his

     (FILE 'HOME' ENTERED AT 05:32:20 ON 01 DEC 2008)

     FILE 'REGISTRY' ENTERED AT 05:32:38 ON 01 DEC 2008
                E 3-HYDROXYDECANE/CN
L1            1 E3
                E  1,2-EPOXYHEXANE/CN
L2            1 E3

     FILE 'CAPLUS' ENTERED AT 05:34:10 ON 01 DEC 2008
L3          145 L1
L4          879 L2
L5            0 L3 AND L4

     FILE 'REGISTRY' ENTERED AT 05:35:38 ON 01 DEC 2008
                E  1,2-EPOXYOCTANE/CN
L6            1 E3

     FILE 'CAPLUS' ENTERED AT 05:36:18 ON 01 DEC 2008
L7         1353 L6

=> l3 and l7
L8            1 L3 AND L7

=> d l8 ti fbib abs

L8   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Reactions and utilizations of higher alkene oxides.  VI.  Reaction between
     1,2-epoxyoctane and Grignard reagents
AN   1970:78778  CAPLUS
DN   72:78778
OREF 72:14337a,14340a
TI   Reactions and utilizations of higher alkene oxides.  VI.  Reaction between
     1,2-epoxyoctane and Grignard reagents
```

AU Hata, Shunsuke; Nakamoto, Shohei; Matsuda, Haruo; Matsuda, Sumio
CS Fac. Eng., Osaka Univ., Osaka, Japan
SO Kogyo Kagaku Zasshi (1969), 72(11), 2401-4
CODEN: KGKZA7; ISSN: 0368-5462
DT Journal
LA Japanese
AB The reactions of 1,2-epoxyoctane with Grignard reagents in ethers were studied. The solvents used were MeOCH2CH2OMe and tetrahydrofuran, as more basic solvents than Et2O, and Bu2O and PhOMe, as less basic solvents than Et2O. The Grignard reagents were prepared from MeBr, MeI, EtCl, EtBr, EtI, and iso-PrBr. The reaction products were mixts. of 2-alkyl-1-octanol (abnormal product), 1-alkyl-2-octanol (normal product), 1-alkyl-1-octanol, 2-alkyl-2-octanol (rearranged product), and normal and abnormal halooctanols. In the reaction of the epoxide with MeMgBr or EtMgCl, the yield of the normal alcs. was > any isomeric alkyloctanols. On the other hand, the epoxide and MeMgI or EtMgI gave higher yields of rearranged alkyloctanols. The yield of abnormal products was uniformly higher in less basic solvents than in more basic solvents. The steric hindrance of attacking alkyl groups > that of halogens. The orientation of the oxirane ring cleavage and possible mechanismsare discussed.

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 4.83 29.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION
CA SUBSCRIBER PRICE -0.80 -0.80

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DICTIONARY FILE UPDATES: 28 NOV 2008 HIGHEST RN 1076692-21-1

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experimental property data in the original document. For information
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http://www.cas.org/support/stngen/stndoc/properties.html

=> e 4-hydroxydecane/cn
E1 1 4-HYDROXYDECAHYDROQUINOLINE/CN
E2 1 4-HYDROXYDECANAMIDE/CN
E3 0 --> 4-HYDROXYDECANE/CN
E4 1 4-HYDROXYDECANENITRILE/CN
E5 1 4-HYDROXYDECANOIC ACID/CN

```
E6              1     4-HYDROXYDECANOIC ACID Γ-LACTONE/CN
E7              1     4-HYDROXYDECANOIC ACID LACTONE/CN
E8              1     4-HYDROXYDECENAL/CN
E9              1     4-HYDROXYDEMETHYLMEDICARPIN/CN
E10             1     4-HYDROXYDENDROLASIN/CN
E11             1     4-HYDROXYDEOXYBENZOIN/CN
E12             1     4-HYDROXYDERMOLACTONE/CN

=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 1.84      31.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                 0.00      -0.80

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COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
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FULL ESTIMATED COST                                 1.84      31.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                 0.00      -0.80

=> e 4-bromodecane/cn
E1              1     4-BROMOCYCLOPENTENE/CN
E2              1     4-BROMOCYCLOPROPYLBENZENE/CN
E3              1 --> 4-BROMODECANE/CN
E4              1     4-BROMODECANOIC ACID/CN
E5              1     4-BROMODEOXYBENZOIN/CN
E6              1     4-BROMODESMOSDUMOTIN C/CN
E7              1     4-BROMODESOXYBENZOIN/CN
E8              1     4-BROMODI(ETHYLENEOXY)PHENYLACETONITRILE HOMOPOLYMER/CN
E9              1     4-BROMODI(ETHYLENEOXY)PHENYLACETONITRILE-BUTYL ACRYLATE-METH
                      YL METHACRYLATE-STYRENE GRAFT COPOLYMER/CN
E10             1     4-BROMODIACETOXYIODO(III)BENZENE/CN
E11             1     4-BROMODIAMANTANE/CN
E12             1     4-BROMODIBENZOFURAN/CN

=> e3
L9              1 4-BROMODECANE/CN

=> d 19
```

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 102878-40-0 REGISTRY
ED Entered STN: 28 Jun 1986
CN Decane, 4-bromo- (CA INDEX NAME)
OTHER NAMES:
CN 4-Bromodecane
MF C10 H21 Br
SR CAOLD
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, USPATFULL
    (*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.91	39.20
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

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FILE COVERS 1907 - 1 Dec 2008 VOL 149 ISS 23
FILE LAST UPDATED: 30 Nov 2008 (20081130/ED)

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reclassification data for the third quarter of 2008.

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```
=> l9
L10          4 L9

=> d l10 1-4 ti

L10  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Remote aromatic stabilization in radical reactions

L10  ANSWER 2 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of reagents for nucleophile chelation assisting leaving groups

L10  ANSWER 3 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Arylsulfonate-Based Nucleophile Assisting Leaving Groups

L10  ANSWER 4 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Effect of the nature of the metal on yields of alkanes synthesized by the
     Wurtz reaction


=> d l10 1-4 ti fbib abs

L10  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Remote aromatic stabilization in radical reactions
AN   2008:580887  CAPLUS
DN   148:585333
TI   Remote aromatic stabilization in radical reactions
AU   Cabellero, Alfonso Garcia; Croft, Anna K.; Nalli, Stefano M.
CS   School of Chemistry, University of Wales Bangor, Bangor, Gwynedd, LL57
     2UW, UK
SO   Tetrahedron Letters (2008), 49(22), 3613-3615
     CODEN: TELEAY; ISSN: 0040-4039
PB   Elsevier Ltd.
DT   Journal
LA   English
OS   CASREACT 148:585333
AB   The rates of free radical reduction of a series of anthracene derivs. and
     1-phenyl-4-bromodecane with tributyltin hydride are mediated by the remote
     aromatic substituent in an apparent through-space interaction.  D. functional
     calcns. suggest that this enhancement is not due to direct stabilization
     of the free radical intermediate, and is likely to be achieved through the
     interaction of the aromatic moiety with the polarized transition state
     leading to the intermediate.
RE.CNT  25    THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10  ANSWER 2 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of reagents for nucleophile chelation assisting leaving groups
AN   2006:539918  CAPLUS
DN   145:45811
TI   Preparation of reagents for nucleophile chelation assisting leaving groups
IN   Lepore, Salvatore
PA   Florida Atlantic University, USA
SO   PCT Int. Appl., 66 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ----------------    ----   --------    ---------------------  --------
PI   WO 2006060142       A2     20060608    WO 2005-US41019        20051114
     WO 2006060142       A3     20061214
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
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CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

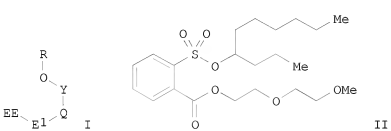
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

US 20080221347 A1 20080911

US 2004-629071P P 20041118
US 2007-667414 20071203
US 2004-629071P P 20041118
WO 2005-US41019 W 20051114

OS MARPAT 145:45811

GI



AB Reagents and starting materials for nucleophile chelation-assisted leaving groups, e.g. I (EE = cation-chelating moiety such as a polyether or a crown ether; E1 = bond, linking group; Q = acyclic or cyclic group; Y = SO2, SR6R7; R = optionally substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl; R6, R7 = independently acyclic or cyclic group;; EE, E1, Q, R6, R7 may be covalently linked to an insol. polymer or silica gel resin) are described. The chelating moiety stabilizes the leaving group by forming a complex with a cation of a cation-nucleophile combination. The stabilized leaving group is more easily displaced under many conditions than are standard arylsulfonate leaving groups such as the tosyl group. The chelating moiety also favors certain cations depending on the identity of the moiety thereby enhancing the reaction rate with nucleophilic salts containing the preferred cation. Use of the inventive leaving groups results in improved yields, decreased reaction times and improved product purity. Thus, methoxyethoxyethyl sulfobenzoate II was prepared in 2 steps from o-sulfobenzoic anhydride, PC15, 2-(2-methoxyethoxy)ethanol, and 4-decanol. Treatment of II with LiCl in acetone gave 96% 4-chlorodecane after 6 h. In comparison, treatment of 4-tosyloxydecane with LiCl in acetone gave only 5% of 4-chlorodecane after 24 h.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
TI Arylsulfonate-Based Nucleophile Assisting Leaving Groups
AN 2005:921266 CAPLUS
DN 143:405404
TI Arylsulfonate-Based Nucleophile Assisting Leaving Groups
AU Lepore, Salvatore D.; Bhunia, Anjan K.; Cohn, Pamela
CS Department of Chemistry, Florida Atlantic University, Boca Raton, FL, 33431-0991, USA
SO Journal of Organic Chemistry (2005), 70(20), 8117-8121
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal

LA English
OS CASREACT 143:405404
AB The synthesis and unique reactivity of a series of arylsulfonate-based nucleophile assisting leaving groups (NALG) containing oligomeric ether units (including crown ethers) attached to the arylsulfonyl ring in the ortho orientation are described. The reactions of a variety of these ether-containing alkyl sulfonates with metal halides proceeded at substantially greater rates than electronically similar sulfonates. These ether-containing leaving groups also displayed marked selectivity for lithium halides relative to the corresponding sodium and potassium salts in nucleophilic displacement reactions.
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
TI Effect of the nature of the metal on yields of alkanes synthesized by the Wurtz reaction
AN 1958:25134 CAPLUS
DN 52:25134
OREF 52:4465d-h
TI Effect of the nature of the metal on yields of alkanes synthesized by the Wurtz reaction
AU Petrov, A. D.; Nefedov, O. M.; Grigor'ev, F. I.
CS D. I. Mendeleev Chem. Technol. Inst., Moscow
SO Zhurnal Obshchei Khimii (1957), 27, 1876-81
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Unavailable
OS CASREACT 52:25134
AB cf. C.A. 48, 3239d. Increase of yields of alkanes in the Wurtz reaction was observed in passing from Mg to Li, Na, or K; this increase is small for secondary halides and quite considerable for primary halides. Treatment of 2-ethyl-1-hexanol with HBr at 120-30° gave 1-bromo-2-ethylhexane, b6 60-1°, n20D 1.4539, d20 1.1092. This (0.25 mole) added in 1 hr. to 0.5 g. equivalent metal in Et2O, heptane, or isopentane and stirred 10 hrs. gave 5,8-diethyldodecane, b4 99°, f.p. -92° n20D 1.4373, d20 0.7822, the yield being best with Na in Et2O or isopentane (68.5-69.1%) or with K in isopentane (72.8%). C6H13MgBr with PrCHO gave 75% 4-decanol, b13 96°, 1.4320, 0.8262, which gave 4-bromodecane, b11 97-8°, 1.4568, 1.0705, which with K in Et2O gave 17-22.5% 7,8-dipropyltetradecane, b8 161°, f.p. -86° 1.4435, 0.7942. Similarly, sec-octyl bromide and Mg followed by AcH gave 72% 3-methyl-2-nonanol, b8 86-8°, 1.4386, 0.8353, which gave 2-bromo-3-methylnonane, b6 74.5-5°, 1.4586, 1.0722, which with K in Et2O gave 7.4-10% 7,8,9,10-tetramethylhexadecane, b3 144-5°, b10 163-5°, f.p. -88°, 1.4550, 0.8112. Grignard reagent from 1-bromo-2-ethylhexane and iso-PrCHO gave 69% 2-methyl-5-ethyl-3-nonanol, b2.5 81-2° 1.4412, 0.8471, which gave 3-bromo-2-methyl-5-ethylnonane, b2.5 85°, 1.4578, 1.0226, which with K in isopentane gave 9.6% 5,10-diethyl-7,8-diisopropyltetradecane, b2 164-6°, f.p. -67°, 1.4562, 0.8173 (with Na the yield was lower); the products of disproportionation reaction were hydrogenated over Raney Ni yielding 2-methyl-5-ethylnonane, b14.6 82°, f.p. -116°, 1.4227, 0.7529. All the Wurtz reactions were run under N atmospheric

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.00	54.20

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                  -3.20      -4.00

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DICTIONARY FILE UPDATES:  28 NOV 2008  HIGHEST RN 1076692-21-1

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experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e 4-cyanodecane/cn
E1            1     4-CYANOCYCLOPENTENE/CN
E2            1     4-CYANODECAHYDRO-4-HYDROXY-1,1,2-TRIMETHYLQUINOLINIUM IODIDE
                    /CN
E3            0 --> 4-CYANODECANE/CN
E4            1     4-CYANODEOXYBENZOIN/CN
E5            1     4-CYANODESOXYBENZOIN/CN
E6            1     4-CYANODIBENZ(B,F)(1,4)OXAZEPIN-11(10H)-ONE/CN
E7            1     4-CYANODIBENZYLAMINE/CN
E8            1     4-CYANODIBENZYLAMINE HYDROCHLORIDE/CN
E9            1     4-CYANODIPHENYL/CN
E10           1     4-CYANODIPHENYL 4'-ISOTHIOCYANATE/CN
E11           1     4-CYANODIPHENYL ETHER/CN
E12           1     4-CYANODIPHENYLACETYLENE/CN

=> e 2-propylactanenitrile/cn
E1            1     2-PROPYLACRYLIC ACID METHYL ESTER/CN
E2            1     2-PROPYLACRYLONITRILE/CN
E3            0 --> 2-PROPYLACTANENITRILE/CN
E4            1     2-PROPYLADAMANTANE/CN
E5            1     2-PROPYLADENOSINE CYCLIC 3',5'-PHOSPHATE/CN
E6            1     2-PROPYLAMINE/CN
E7            1     2-PROPYLAMINO-2-CYANOPROPANE/CN
E8            1     2-PROPYLAMINO-2-DIETHOXYPHOSPHORYLPROPANE/CN
E9            1     2-PROPYLAMINO-2-ETHYLINDANE-1,3-DIONE/CN
E10           1     2-PROPYLAMINO-2-ETHYLINDANE-1,3-DIONE HYDROCHLORIDE/CN
E11           1     2-PROPYLAMINO-2-IMIDAZOLINE/CN
E12           1     2-PROPYLAMINO-3-CHLORO-1,4-NAPHTHOQUINONE/CN

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=> logoff hold
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
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FULL ESTIMATED COST	16.56	70.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.00

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